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PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re U.S. Utility Patent Application of:)
    Daniel Warren and)
    Stephen C. Thompson)
)

For: **MICROPHONE ARRAY**)
    HAVING A SECOND ORDER)
    DIRECTIONAL PATTERN)
)

Mailed: September 28, 2001)
)

Signature of Person Making Deposit

EL831512046US
Express Mail Label No.

September 28, 2001
Mailing Date

PATENT APPLICATION TRANSMITTAL

BOX PATENT APPLICATION
Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Enclosed are the following documents:

  X   24 pages of Specification, Claims and Abstract

  X   7 Sheets of Informal Drawings (Figures 1-19).

  X   Executed Declaration and Power of Attorney (3 pgs).

The filing fee has been calculated as shown below:

For:	No. Filed	No. Extra	Small Entity				Other Than A Small Entity	
			Rate	Fee	or	Rate	Fee	
Basic Fee				$ 355	or		$ 710	
Total Claims	31 - 20 =	11	x 9 =	$ 0	or	x 18 =	$ 198	
Indep. Claims	13 - 3 =	10	x40 =	$ 0	or	x 80 =	$ 800	
□ First Presentation of Multiple Dependent Claim			x135 =	$ 0	or	x270 =	$ 0	
			Total	$	or	Total	$ 1,708	

  X   Check No. 9755 in the amount of $ 1,708.00 is attached.

The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 23-0280. A duplicate copy of this sheet is attached.
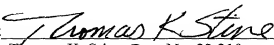
   __X__   Any additional filing fees under 37 C.F.R. § 1.16.

   __X__   Any patent application processing fees under 37 C.F.R. § 1.17.

                         Respectfully submitted,

Date: September 29, 2001   By: _Thomas K. Stine_

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